

CLAIMS

1. Aerator for a plumbing fixture, said plumbing fixture comprising a water outlet (2), with an aerator (4), through which water flows, which is pivotally mounted via a swiveling mechanism and which is removably fixed to a forward outlet end of the water outlet, the pivotable aerator (4) is mounted within an outer ring (5), which is fixed in the outlet end.
2. Aerator according to claim 1, wherein an outer side of the aerator (4) is partially spherical and is mounted pivotably with the outer side in the outer ring (5).
3. Aerator for a plumbing fixture according to claim 1, wherein the aerator (4) is mounted completely or at least partially within a ball or spherical segment (6) of the swiveling mechanism which comprises a ball-and-socket joint and the outer ring (5), in which the ball/spherical segment is mounted, is fixed in the outlet end.
4. Aerator according to claim 1, wherein the outer ring (5) has an external thread with dimensions that corresponds to typical aerators.
5. Aerator according to claim 1, wherein the external thread of the aerator has standard dimensions of M24 x 1 or M28 x 1.
6. Aerator according to claim 3, wherein the ball (6) is formed by a spherical segment.
7. Aerator according to claim 3, wherein the ball/spherical segment (6) is penetrated by a cylindrical channel, in which the aerator (4) is placed.
8. Aerator according to claim 3, wherein the ball/spherical segment (6) is mounted pivotably within the outer ring (5).

9. Aerator according to claim 8, wherein the swiveling mechanism on a side facing the outlet end has a sealing ring (10), which lies between an inside of the outer ring and an outside of the spherical segment or an outside of the aerator.
10. Aerator according to claim 1, wherein a cylindrical, bushing-shaped region (12) is formed on the water outlet side on the spherical segment (6).
11. Aerator according to claim 10, wherein a channel wall of the outer ring (5) is shaped so that it expands outwardly forming an expanding channel wall region (7) and the bushing-shaped region (12) of the ball/spherical segment (6) comes to lie on the expanding channel wall region (7).
12. Aerator according to claim 1, wherein the outer ring (5) with an external thread can be screwed into an internal thread of the forward end of the water outlet (2).
13. Aerator according to claim 9, wherein the sealing ring (10) contacts a region, especially a step, in an interior of the water outlet (2) when the outer ring (5) is screwed into the water outlet and in this way is compressed.
14. Aerator according to claim 7, wherein the aerator (4) can be screwed into the channel of the ball/spherical segment (6).
15. Aerator according to claim 3, wherein an inner side of the outer ring (5) forms a concave bearing for the ball/spherical segment (6).
16. Aerator according to claim 3, wherein a cylindrical or partially cylindrical section (15), which is placed in a correspondingly shaped recess (16) of the ball (6) or of the outer ring (5), projects on an outer side of the aerator (4) as a bearing.